

VIDIGAN, C.

How the extension of advanced experience in production is supported.
Munca sindic 7 no.5:6-8 My '63.

1. Presedinte al Consiliului regional al sindicatelor, Crisana.

ROMANIA

DRAGHICIU, O., MD; TRIFU, T., MD; MARGINEANU, V., MD; DANIAN, P., MD;
POP, E., MD; VIDICAN, M., MD; DRAGHICIU, Glichoria, MD; BABAU, I., MD.

Section for Internal Diseases of the Unified Hospital in Beius
(Sectia de boli interne a Spitalului unificat Beius) /Crisana
Regiuno/ - (for all)

Bucharest, Viata Medicala, No 11, 1 Jun 63, pp 757-760

"Contributions to the Problem of the Painful Shoulder in Cases of
Workers in Sawmills." (Paper presented at the Fifth Orthopedics
and Traumatology Conference held in Oradea on 16 July 1960.)

ROMANIA

DRAGHICIU, O., MD; TRIFU, T., MD; MARGINEANU, V., MD; DAMIAN, P., MD;
POP, E., MD; VIDICAN, M., MD; DRAGHICIU, Glicheria, MD; BABAU, I., MD.

Section for Internal Diseases of the Unified Hospital in Beius
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Regiune/ - (for all)

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"Contributions to the Problem of the Painful Shoulder in Cases of
Workers in Sawmills." (Paper presented at the Fifth Orthopedics
and Traumatology Conference held in Oradea on 16 July 1960.)

8

VIDICHENKOVA, Yu.N.; PUZIKOVA, E.A.; TROFIMOVA, K.A.; SMIRNOVA,
M.I., otv. za vypusk, BARINOV, Yu.A., red.; YEVSTIGNEYEVA,
V.S., tekhn. red.

[Labor and wages; bibliography of literature published in
the U.S.S.R. in Russian in 1960] Trud i zarabotnaia plata;
bibliograficheskii ukazatel' literatury, izdannoï v SSSR
na russkom iazyke v 1960 g. Moskva, 1962. 471 p.
(MIRA 16:8)

(Bibliography--Labor and laboring classes)
(Bibliography--Wages)

Vid. con. M

5
HABITAT/Chemical Technology. Chemical Products and Their
Application. Safety and Sanitation. 2-4

Abstr Jour: Ref Abstr-Asia., No 2, 1979, 5198.

Author : Dragichin O.; Pop E.; Margineanu V.; Chelaru R.; Gheorghe V.;
Jandor Gh.; Dragichin O.; Kishchenko A.; Vasilova M.

Inst :

Title : Clinical Laboratory Observations of Intoxication of Phyto-
sanitation Workers in Buzau Region with Diatomaceous.

Orig Pub: Vieta med., 1978, 3, No 4, 305-306.

Abstract: No abstract.

Card : 1/1

VIDIK, T. V. Cand Med Sci-- (diss) "The reactivity of transversostriated
~~muscle fibers in experiment.~~ muscle fibers in experiment." Len, 1957. 16 pp (Min of Health RSFSR. Len
Sanitary-Hygienic Med Inst), 200 copies (KL, 4-58, 85)

-61-

VIDIK, T. V.

VIDIK, T.V.

Effect of the nervous system on the regeneration of the somatic muscles in frog. Trudy ISGMI 16:299-307 '53. (MIRA 10:8)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (xav. kafedroy prof. S.I.Shchelkunov)

(REGENERATION,

musc., eff. of nervous system in frogs)

(MUSCLES, physiology,

regen., eff. of nervous system in frogs)

(NERVOUS SYSTEM, physiology,

regulation of musc. regen.)

VEDIA, T.V. (Leningrad, Srednyaya Pod'yacheskaya, d.15, kv. 26)

Reactive changes in damaged striated muscular fibers under normal conditions and in hyperfunction of the skeletal muscles [with summary in English]. Arkh.anat.gist. i embr. 34 no.3:93-94 My-Je '57.

(MLRA 10:10)

1. Iz kafedry gistologii i embriologii (zav. - chlen-korrespondent ANU SSSR, prof. S.I.Shchelkunov) Leningradskogo sanitarno-gigiyenicheskogo instituta.

(MUSCLES, physiol.

reactive changes in damaged striped musc. fibers under normal cond. & with hyperfunct. of skeletal musc. in cats (Rus))

USSR / Human and Animal Morphology, Normal and Pathological.
Muscles.

S-4

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83719

Author : Vidik, T. V.

Inst : Not given

Title : Reactive Changes in Lesioned Transversal-Striated Muscular
Fibers under Ordinary Conditions and in Hypertrophy of
Skeletal Musculature.

Orig Pub : Arkhiv anatomii, gistol. i embryol., 1957, 34, No 3, 83-94

Abstract : A small portion of the muscles of posterior extremities of
the cat were ligated for one minute, after which 27 of the
animals were kept under routine laboratory conditions, while
16 of them ran along the track of a treadmill for 45-60 min-
utes daily, covering more or less 2 kilometers in 24 hours.
Material for a histological study was assembled in 10 min.,
60 days after ligation. It was demonstrated that, as a

Card 1/2

USSR / Human and Animal Morphology, Normal and Pathological.
Muscles.

S-4

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83719

result of the action of the increased functional load of a dynamic character, the "red" muscle fibers of the non-lesioned musculature split up, while the "white" fibers morphologically become undistinguishable from the "red" ones. A short-term weak constriction of part of the muscles of animals kept in routine conditions, causes a separation of "red" muscle fibers. "White" fibers do not change their structure. Increased functional load with more pronounced lesion does not change the character of the regeneration process but accelerates it. The splitting-up of muscle fibers was always conditioned by the development in the sarcoplasm of a new sarcolemma. Restoration of the disintegrated parts of muscle fibers after short-term ligation goes on within the sarcolemmic tubes due to the preserved nucleoplasmic complexes.

Card 2/2

VIDIK, T.V.

Structural changes in striated muscle fibers during hyperactivity
under normal and experimental conditions [with summary in English]
Trudy LSGMI 42:293-301 '58 (MIRA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-
gigiyenicheskogo meditsinskogo instituta (sav. kafedroy - chlen-
korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(MUSCLES, physiol.

eff. of overexertion on structural properties (Rus))

(EXERCISE,

eff. of overexertion on musc. structure (Rus))

VIDIK, T.V.

Reactivity of striated muscle fibers following injury [with summary
in English]. Trudy LSGMI 42:302-414 '58 (MIRA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-
gigiyenicheskogo meditsinskogo instituta (zav. kafedroy -chlen-
korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(MUSCLES, physiol.

reactivity to inj. (Rus))

(REGENERATION,

musc. reactivity to inj. (Rus))

FEDOROV, Yu.V.; BURENKOVA, L.A.; VISHNINA, R.A.

Production of a dry inactivated ^b antigen of tick-borne
encephalitis for complement fixation reaction. Trudy IomNI VS
14s247-250 '63. (MIRA 17:1)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.

VIDIMSKI, G.

Chronic pulmonary heart. Kardiologiya 3 no. 6:31-35 N-D '63.
(MIRA 17 6)

1. Iz Instituta bolezney krovoobrashcheniya (direktor - doktor
meditsinskikh nauk dotsent Ya.Brod). Praga - Krch.

VIDIN, B.V.; ORFEYEV, Yu.V.

A modification of the division algorithm of electronic computers. Izv. vys. ucheb. zav.; prib. 7 no.4:90-93 '64
(MIRA 18:1)

1. Leningradskoye vysshaye inzhenernoye morskoye uchilishche imeni admirala Makarova. Rekomendovana kafedroy teoreticheskoy radiotekhniki.

TSIBIK, I.V., inzh.; VIDIN, D.I., inzh.; KICHIGIN, V.V., inzh.;
MALAKHOVA, K.V., inzh.; KOVOTOROV, S.V., inzh.;
SLOBODKINA, G.N., red.

[Recommendations on planning and organization of work in
spanning river beds in the construction of hydroelectric
power stations] Rekomendatsii po proektirovaniu i orga-
nizatsii rabot pri perekrytii rusel rek na stroitel'stve
gidroelektrostantsii. Moskva, Orgenergostroi, 1963. 102 p.
(MIRA 17:1)

1. Russia (1923- U.S.S.R.) Tekhnicheskoye upravleniye po
stroitel'stvu elektrostantsii i setey. 2. Vsesoyuznyy insti-
tut po proyektirovaniyu organizatsiy energeticheskogo stroi-
tel'stva (for all except Slobodkina).

(Hydroelectric power stations)
(Hydraulic structures)

The effect of silicon on ductility of malleable iron. N. G. GIRMENICH AND E. K. VIDIN. *Sovetskaya Vsesoyuznaya Inst. Metal.* 1931, Nos. 1-2, 30-3. — In hard castings tensile strength increases and sp. gr. decreases with increase of Si, while hardness is not affected. Ductility gradually increases with Si content and shrinkage increases at first up to 0.04% Si and then decreases. In tempered samples Si showed no effect on tensile strength, while sp. gr. decreased with increase of Si. For the ordinary European malleable iron it is best to keep to the limits of 0.4-0.7% Si, depending on the amt. of S and tempering temp. The lower limit applies to low S and highly heated metal, while the upper limit applies to high S and low heating temp. S. L. MADONARY

1990-1991

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B-1-4

EFFECT OF SILICON ON DUCTILITY OF MALLEABLE IRON.
N. G. GINOSOVICH AND E. K. VOROKH (Kosobukha, Vasoyuz.
Inst. Met., 1958, No. 1, p. 70). In sand castings
tensile strength and elongation increase while ductility decreases
with increases in Si; hardness is not affected. Shrinkage
increases up to 0.8% Si and thereafter decreases. In
tempered samples Si decreased but did not affect tensile
strength. For Russian malleable Fe the Si content
should be from 0.4 (for low Si, strongly heated metal) to
0.7% (high Si, low tempering temp.). Ch. Ana.

ASTM-A6 METALLURGICAL LITERATURE CLASSIFICATION

FROM SYNDICATE FROM GOWING FROM GOWING

SYNDICATE GOWING GOWING

CO

9

PROCESSES AND PROPERTIES

Metling black heart malleable iron in a cupola furnace.
E. K. Viden and N. G. Gushovich. *Repts. Inst. Metals*
(Leningrad) No. 16, 3 11 (in German 12) (1933). - The
cupola furnace is rarely used for the prepn. of malleable
Fe, because of the excessive absorption of C into the
metal in this type of furnace. A method has been worked
out by which the Fe is first melted in a cupola and de-
carburiized to the required point in the blistering process.
This method is used on a large scale at the Lening plant in
Leningrad for the production of black heart malleable Fe
of required content of Si, S, Mn and C. S. L. M.

ASD SLA BIBLIOGRAPHICAL LITERATURE CLASSIFICATION

SECTION 1000

1ST AND 2ND DEGREE										3RD AND 4TH DEGREE									
PROCESSES AND PROPERTIES INDEX																			
<p>30</p> <p>Theory of the metalizing process. N. G. Gramov and E. K. Vojin (Trans. Inst. Met., Moscow, 1929, No. 4, 3-117).—The mechanism of graphitization and decarburization of white cast iron is discussed.</p> <p>CHEMICAL ABSTRACTS.</p>																			
ASB-SLS METALLURGICAL LITERATURE CLASSIFICATION																			
1ST DEGREE										2ND DEGREE									
1ST DEGREE										2ND DEGREE									

Theory of the malleabilizing process. N. G. GERSHBERG AND E. K. YUDIN. *Trans. Inst. Metals (Moscow)* No. 4, 3-117; (English summary) 114 9(1920).—The authors explain the mechanism of graphitization and decarburization of white cast Fe. Direct formation of temper C takes place in the attainment of equilibrium after decomposition of all free cementite. The growth of castings is due to the decomposition of cementite and depends on the amount of temper C formed during annealing, and on the amount of C evolved out of the cementite in the solid solution. G. Z. ROSENBERG

ASB 15.6 METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																										PROCESSES AND PROPERTIES INDEX																																																																									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
<p>ca</p> <p>Comparative oxidizability of graphite and temper carbon. N. G. GIBSONOVICH AND R. K. VIKTOR. <i>Tekhnich. Metalloproizvodstvennost</i> (Moscow) No. 11, 5-11 (1972). Re view of recent research in Germany and results of exper. studies made at the Inst. of Metals in Leningrad explaining why malleable castings cannot be made from gray cast iron. R. I. S.</p>																																																																																																			
<p>ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																																																																			

L 29735-66 EWT(d)/EWT(1) IJP(c) WW

ACC NR: AP6003177

SOURCE CODE: UR/0147/65/000/004/0003/0006

AUTHOR: Vidin, Yu. V.; Ivanov, V. V.

71
B

ORG: none

TITLE: The ²temperature field in an infinite plate heated simultaneously by radiation and convection

SOURCE: IVUZ. Aviatzionnaya tekhnika, no. 4, 1965, 3-6

TOPIC TAGS: thermodynamic analysis, convective heat transfer, radiative heat transfer

ABSTRACT: In the heating of bodies with finite dimensions it is possible to employ a relatively simple method of calculation which is sufficient for practical engineering accuracy. The present article considers the solution of the following system of equations which describes the process of heating an infinite plate simultaneously by radiation and convection:

Card 1/2

UDC: 536.244+536.25

L 29735-66

ACC NR: AP6003177

$$\frac{\partial \theta}{\partial F_0} = \frac{\partial \theta}{\partial X}, \quad (1)$$

$$0 < F_0 < \infty, \quad -1.0 < X < 1.0,$$

$$\frac{\partial \theta(1, F_0)}{\partial X} = Sk \left\{ \frac{Bi}{Sk} [1 - \theta(1, F_0)] + [1 - \theta'(1, F_0)] \right\}. \quad (2)$$

$$\frac{\partial \theta(0, F_0)}{\partial X} = 0, \quad (3)$$

$$\theta(X, 0) = \theta_0. \quad (4)$$

After an extended mathematical development, the article proceeds to a numerical calculation for the case $Sk = 0.4$, $Bi = 0.5$, $\theta_0 = 0.2$. Results of the calculation are exhibited in a table. Orig. art. has: 14 formulas and 1 table.

SUB CODE: 20/ SUBM DATE: 03Dec64/ ORIG REF: 003.

Card 2/2 10

VIDTN, Yu.V.; IVANOV, V.V.

Temperature field of an infinite plate simultaneously heated
by radiation and convection. Izv.vys. ucheb. zav.; av. tekhn.
8 no. 4:3-6 '65 (MIRA 19:1)

VIDIN, Yu.V.; BOYKOV, G.P.

Determining the temperature on the surfaces of an infinite plate subjected to radiant heating. Izv. TPI 125:3-7 '64.

Temperature field in a plane thick-walled screen.
Ibid.:28-32

(MIRA 18:8)

VIDIN, Yu. V.; BOYKOV, G. P.

Calculating the asymmetrical heating of an infinite plate under
the effect of radiation. Izv. vys. ucheb. zav.; chern. met. 7 no.
6:167-172 '64. (MIRA 17:7)

1. Tomskiy politekhnicheskii institut.

11-15
NW/24
ACCESSION NR: AP5017248

UR/0170/64/000/000/0005/0009

AUTHOR: Vidin, Yu. V.; Boykov, G. P.

TITLE: Application of the zone method to problems on nonsymmetric heat transfer

SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 7, 1964, 75-79

TOPIC TAGS: heat transfer

ABSTRACT: The use of the zone method is proposed for the solution of the problem of nonsymmetric heating of an unbounded plate by radiation. The results can also be applied in the case of heat transfer at constant but differing heat fluxes on the surface of the plate. There was good agreement between experimental values and theoretical values. Orig. art. has: 1 figure, 20 formulas, 2 graphs.

ASSOCIATION: Politekhnikheskiy institut im. S. M. Kirova, Tomsk (Polytechnical Institute)

SUBMITTED: 01Apr64

ENCL: 00

SUB CODE: TD

NR REF SOV: 005

OTHER: 001

JPRS

Card *mb* 1/1

IVANOV, V.V.; VIDIN, Yu.V.

Temperature field in a parallelepiped heated by a radiant
flow. Izv. vys. ucheb. zav.; Chern. met. 8 no.5:180-182
'65. (MIRA 18:5)

1. Krasnoyarskiy politekhnicheskiy institut.

VIDIN, Yu.V.; IVANOV, V.V.

Calculating asymmetrical radiation heating of infinite plate. Izv.
vys. ucheb. zav.; chem. met. 7 no.12:144-147 '64 (MIRA 18:1)

1. Tomskiy politekhnicheskoy institut.

ACC NR: AP6030332

SOURCE CODE: UR/0170/66/011/002/0166/0170

AUTHOR: Vidin, Yu. V.

ORG: Polytechnic Institute, Krasnoyarsk (Politekhicheskiy institut)

TITLE: The heating of a cylindrical body with internal heat transfer at a variable heat transfer coefficient

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 11, no. 2, 1966, 166-170

TOPIC TAGS: temperature distribution, convective heat transfer, heat transfer coefficient, *cylindric body*

ABSTRACT: An approximate method for solving the problem of temperature distribution of an infinite cylinder when the external heat transfer coefficient is a function of the time is presented. The heat release is constant during the whole heating process. Based on a system of equations characterizing the heating conditions, the solution of the problem is found in form of a differential equation satisfying the conditions of surface heating and symmetry of the temperature field. Numerical integration results of the relative temperature on the surface and in the center of the infinite cylinder are given. The method presented can be extended for the case of a variable temperature of the medium. Orig. art. has: 21 formulas and 1 table.

SUB CODE: 20/ SUBM DATE: 11Mar66/ ORIG REF: 003

Card 1/1

UDC: 536.246

VIDINA, A.A.; SOLNTSEV, N.A.; TSESEL'CHUK, Yu.N.

The Kasimov "opol'e." Vest. Mosk. un. Ser. 5:71-74 My-Je '61.

(MIRA 14:5)

(Kasimov District—Physical geography)

VIDINA, A.A.; SOLNTSEV, N.A., red.

[Methodological instructions for large-scale field studies of land characteristics for agricultural purposes in the central part of the East European Plain] Metodicheskie ukazaniia po polevym krupnomasshtabnym landshaftnym issledovaniiam; dlia tselei sel'skokhoziaistvennogo proizvodstva v srednei polose Russkoi ravniny. Pod red. N.A.Solntseva. Moskva, Mosk. gos.univ., 1962. 119 p. (MIRA 16:2)
(East European Plain--Agriculture--Maps)

VIDINA, A. A.

"Life of mountains" by I.S. Shchukin, O.E. Shchukina.

Vest. Mosk. un. Ser.5: Geog. 15 no.3:76 My - Je '60.

(MIRA 13:7)

(Mountains) (Shchukin, L.S.) (Shchukina, O.E.)

ZVORYKIN, K.V.; PERTSEVA, A.A.; TSEDELER, Ye.E.; LEBEDEV, N.P.; VIDINA, A.A.

Work in the typing and qualitative evaluating of arable lands.
Vop.geog. no.43:86-108 '58. (MIRA 12:5)
(Soils)

FEDOROV, Yu.V.; BURENKOVA, L.A.; VIDILINA, R.A.

Production of a dry inactivated brain antigen in tick-borne
encephalitis for complement fixation reaction. Vop.virus. 7
no.6:741 N-D '62. (MIRA 16:4)

1. Tomskiy institut vaktsin i syvorotok.
(ANTIGENS AND ANTIBODIES) (ENCEPHALITIS)
(COMPLEMENT FIXATION)

VIDINCEV, Pane, inz.

Problem of double sampling. Automatizace 5 no.3:68-70 Mr '62.

1. Ustav teorie informace a automatizace, Ceskoslovenska akademie
ved.

35275

Z/039/62/023/004/004/010
D291/D303

16,8000 (1031, 1132, 1329)

AUTHOR: Vidinčev, Pane, Engineer

TITLE: The influence of the sampling period on the limitation of
the computer output

PERIODICAL: Slaboproudý obzor, v. 23, no. 4, 1962, 213-218

TEXT: The article describes the elements and functions of a digital (sampled-data) control system, points to its similarity to a continuous system, and engages in a detailed analytical study of the relationship between the sampling period and the computer-output limitation. The sampling period (T) is a very important parameter of a digital control system, since its reduction means that the sampling element delivers more frequently data on control errors $\varphi(t)$, i.e. the computer holds more accurate data on the controlled variable $x(t)$. However, a reduction of the sampling period may result in overloading of some circuit elements, since the computer output is simultaneously increased. The computer output, i.e. the absolute value of the maximum computer-output coordinate, must therefore be limited. Since this output is a complex function of the

Card 1/3

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D291/D303

The influence of the sampling ...

sampling period and the constants of the system, and the latter cannot be influenced, it is necessary to investigate which relationships exist between the sampling period and the computer output. The author uses a transfer calculus which is a modified form of the discrete Laplace transformation, described in J.Z. Tsypkin (Ref. 1: Teoriya impul'snykh sistem (Theory of Impulse Systems), chapt. I, V. Moscow: FIZMATGIZ 1958). He finally arrives at the formula

$$M(T) = \frac{1}{\sum_{n=0}^m b_n(0)} \max(s_0, s_1, s_2, \dots, s_{m-1}, s_m) \quad (11)$$

which is the required expression for the relation between the sampling period and the absolute value of the maximum output coordinate of a digital computer incorporated into a control system. The solution of the function $M(T)$ requires the knowledge of the functions

$$\sum_{n=0}^m b_n(0) = B^*(1,0) = f_1(T) \quad (12)$$

Card 2/3

The influence of the sampling ...

Z/039/62/023/004/004/010
D291/D303

$$\text{and } \max (s_0, s_1, s_2, \dots, s_{m-1}, s_m) = s = f_2 (T) \quad (13)$$

The author then calculates these functions and graphically represents the relationship between the sampling period and the output limitation of digital computer incorporated into a control system with and without an integration element. In conclusion, the author states that the derived results permit control engineers to determine the shortest possible sampling periods according to the properties of the controlled system, so that the computer output never exceeds the limit given by the properties of the technological equipment (e.g. control elements, etc.) There are 3 figures and 1 Soviet-bloc reference. X

ASSOCIATION: Ústav teorie informace a automatizace ČSAV (Institute for Information Theory and Automation, Czechoslovak AS)

SUBMITTED: December 28, 1961

Card 3/3

16.8000

Z/039/62/023/007/003/005
D409/D301

AUTHOR: Vidinčev, Pane, Engineer
TITLE: Digital analogy of continuous controllers
PERIODICAL: Slaboproudý obzor, v. 23, no. 7, 1962, 385 - 389

TEXT: The article deals with the synthesis of digital (sampled-data) control circuits based on the optimum-module criterion. The aim of the synthesis is to determine the transfer characteristics of digital correction members (controllers) which are digital analogies of continuous controllers with a maximum of three functional members, namely P (proportional), PI (proportional-integrational), and PID (proportional integrational-differential) type. The author states that the optimum-module criterion is likewise very advantageous for digital control-system synthesis, and analyzes some properties of closed-loop digital control circuits where the controlled system is either a static or an integrating element. Using the Laplace transform to calculate digital controller transfer characteristics, and considering the require-

Card 1/3

Digital analogy of continuous ...

Z/039/62/023/007/003/005
D409/D301

ments imposed on the system by the optimum control module, the author arrives at conditional equations for two digital correction members. These are the PS (proportional summing) element which is an analogy of the PI continuous controller, and the PSD digital element which is an analogy of the PID continuous controller. Also listed are the conditions under which these digital controllers must be used to ensure the stability of the control system. The same transfer calculus can also be applied to formulate the conditional equations of digital correction members which are analogies of continuous controllers type P and PD and such with more than three functional members. Digital controllers with more functional members are much easier attainable than analogous continuous controllers; however, the influence of functional members and of the sampling intervals on the control-circuit quality must still be investigated. There is 1 figure.

ASSOCIATION: Ústav teorie informace a automatizace ČSAV, Praha
(Institute of Information Theory and Automation,
Czechoslovak AS, Prague)

Card 2/3

1
Digital analogy of continuous ...

2/039/62/023/007/003/005
D409/D301

SUBMITTED: February 5, 1962

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B

Card 3/3

VIDINCEV, Pane, inz.

5. Ustav teorie informace a automatizace 6

Identification of linear continuous systems. Automatizace 6
no.7:161-165 JI '63.

1. Ustav teorie informace a automatizace, Ceskoslovenska
akademie ved.

VIDINGEV, Pane, inz.

Criterion of optimum control and the control process stability.
Automatizace 7 no.15:253-256 0 164.

1. Institute of Information Theory and Automation, Czechoslovak
Academy of Sciences, Prague.

VIDINCEV, Pano, inz.

Identification of linear systems with lumped parameters.
Kybernetika 1 no.1:37-46 '65.

1. Institute of Information Theory and Automation of the
Czechoslovak Academy of Sciences, Prague 2, Vysehradská
49. Submitted May 10, 1964.

L 3052-66 EPF(n)-2/EWP(v)/EWP(k)/EWP(h)/EWP(l) IJP(c) WW/BC

ACCESSION NR: AP5026340

CZ/0088/65/000/001/0037/0046

35
33
B

AUTHOR: Vidincev, Pane (Engineer)

TITLE: Investigation of linear systems with lumped parameters

SOURCE: Kybernetika, no. 1, 1965, 37-46

TOPIC TAGS: linear control system, linear automatic control, automatic control
theory, parameter

Abstract [author's English summary, modified]: A prerequisite for the synthesis of control systems is knowledge of the dynamic properties of the controlled plant, i.e. the properties that are taken into consideration when computing the transfer function of the correcting element. The determination is discussed of the dynamic properties of linear systems with constant lumped parameters. The dynamic properties are described by the transfer function

$$K(p) = \frac{\sum_{n=0}^N B_n p^n}{\prod_{v=1}^m (p + b_v)^{N_v}} = \sum_{v=1}^m \sum_{j=1}^{N_v} \frac{A_{vj}}{(p + b_v)^{N_v+1-j}},$$

The problem consists of determining the (generally complex) numbers b_v and A_{vj} , and the order

$$m = \sum_{v=1}^m N_v \geq n + 1$$

Card 1/2

L 3052-66

ACCESSION NR: AP5026340

2

provided some characteristic of the investigated plant is given. In the paper it is assumed that the step response of the plant is known and is used to compute the original transfer function (1). The method takes into consideration the noise that distorts the plant output signal. Orig. art. has 41 formulas.

ASSOCIATION: Ustav teorie informace a automatizace CSAV, Prague (Institute of Information Theory and Automation, CSAV)

SUBMITTED: 10Mar64

ENCL: 00

SUB CODE: IE, MA

NO REF SOV: 001

OTHER: 001

JPRS


Card 2/2

IVANOV, E.A.; VIDIYEYEV, L.P.; GINZBURG, E.L.; MAZUR, V.B.

Tectonic development of the lower Paleozoic of the southern
part of the Siberian Platform. Neftgaz. geol. i geofiz. no.
10:12-15 '64 (MIRA 18:1)

1. Gosudarstvennyy trest po geologicheskim izyskaniyam na nef't'
v Vostochnoy Sibiri.

VIDINEYEV, M.

Growing rice in the Don Valley. Nauka i pered. op. v sel'khoz 8
no. 12:52-53 D '58. (MIRA 12:1)

1. Zamestitel' direktora po nauchnoy chasti Mostovskoy oblastnoy
opytno-meliorativnoy stantsii.
(Don Valley--Rice)

USSR/Cultivated Plants - Grains.

11-4

Abs Jour : Ref Zhur - Biol., No 9, 1956, 39232

Author : Vidincev, M.M.

Inst : -

Title : Corn on the Irrigated Land of Rostovskaya Oblast.

Orig Pub : V sb.: Kukuruz v 1955 g. Vyp. 6, M., Sel'khozgiz, 1956, 129-136.

Abstract : It is recommended that the land be thoroughly irrigated before sowing at the rate of 800 - 900 m³ per ha to insure more moisture. The vegetation should be sprayed not less than twice during a dry spring and when the soil holds insufficient moisture at the beginning of corn sowing in Rostovskaya oblast. In 1955 average corn cob yields of up to 30 cwt per ha were obtained with one watering, yields of 40-50 cwt were obtained with two sprayings, and up to 80 cwt per ha were harvested with three sprayings. -- Ye.T. Zhukovskaya

Card 1/1

- 44 -

VIDINEYEV, M.M.

Wild rice is a good waterfowl food. Ptitssevodstvo 9 no.5:28-29
My '59: (MIRA 12:7)

(Ducks--Feeding and feeding stuffs)
(Geese--Feeding and feeding stuffs)

VIDINEYEV, Mikhail Mikhaylovich

[Planning irrigation districts; structural planning and operational allotments] Planirovaniye oreshaemykh uchastkov; stroitel'naya planirovka i ekspluatatsionnoye upravleniye. Rostov-na-Donu, Rostovskoe kn-vo, 1955. 23 p. (MLRA 9:7)
(Irrigation)

VIDINEYEV, Yuriy Dmitriyevich; OGIEVICH, V.A., red.

[Automatic continuous dispensing of materials] Avtomaticheskoe nepreryvnoe dozirovanie materialov. Moskva, Energiia, 1965. 109 p. (MIRA 18:10)

VIDINEYEV, Yu.D.

Laboratory hydraulic press with automatic control. Zav.lab. 22
no.1:121-122 '56. (MIRA 9:5)

1. Vsesoyuznyy gosudarstvennyy proyektnyy institut "Gidroenergo-
proyekt".

(Hydraulic presses) (Automatic control)

VIDINBYEV, Yu.D., inzhener.

Continuous-operation volumetric belt batcher. Gidr.stroi.25 no.5:
17-19 J. '56. (Conveying machinery) (MIRA 9:9)

PA-3114

AUTHOR: Engineer VIDINEYEV, Yu.D.
TITLE: An Automatic Electronic Drive for a Cement Dosing Tank.
(Avtomaticheskii ionnyy prihod dozatora tsementa. Russian).
PERIODICAL: Elektrichestvo, 1957, Nr 5, pp 77 - 78 (U.S.S.R.)
Received: 6 / 1957 Reviewed: 7 / 1957
ABSTRACT: The cement dosing tank consists of a spiral drive and a balance conveyor belt. The cement weight is dosed corresponding to the position of the indicator of the balance and serves as regulating parameter. The conversion of the balance impulse into electrical impulses takes place by means of an induction transmitter which is connected together with a bridge consisting of a transformer, a rheostat (470 ohms) and a selenium rectifier. A thyatron TG 15/3 is used for a lamp. The unit has a compound wound motor (with 5,8 KW and 1300 r/min, and a selenium rectifier in the circuit of the shunt coiling) and an electromotor with speed reducer drive ($i=40$) placed on the frame of the cement dosing tank. The trials were carried out with and without loads. The automatic installation reacted instantaneously with each fluctuation. The reduction of the balance wheel moment of the motor can diminish the time of the transition processes without leading to the unstability of the system or to the appearance of the fluctuations. The plan described permits the realization of an automatically regulated drive system with regulation limits of

Card 1/2

PA-3114

An Automatic Electronic Drive for a Cement Dosing Tank.

1 : 2. The use of such an installation makes it possible to carry out a continuous dosing of cement with automatic weight correction along with a simple automatic. (With 3 illustrations and 2 Slavic references.)

ASSOCIATION: Not given
PRESENTED BY:
SUBMITTED: 1. 10. 1956
AVAILABLE: Library of Congress

Card 2/2

VIDINEYEV, Yu.D., insh.

Layout for concrete plants. Gidr.stroi.26 no.12:34-35 D '57.
(MIRA 10:12)

(Concrete plants)

VIDINEYEV, Yu.D., inzh.

A simple method of controlling the water-cement ratio in cement
paste. Stroi.prom. 35 no.9:44-45 S '57. (MIRA 10:10)
(Cement)

GERSHANOVICH, G.L., inzh.; VIDINEYEV, Yu.D., inzh.; BALAKIN, A.Ya., inzh.

Automatic damping chambers to be used in laboratories. Bet. 1 zhel.-
bet. no.9:358-359 S '58. (MIRA 11:10)
(Girders)

15(6)

SOV/98-59-3-2/17

AUTHOR:

Vidineyev, Yu.D., Engineer

TITLE:

Some Perspective Solutions of Systems for the Continuous Preparation of Concrete Mixtures (Nekotoryye perspektivnyye resheniya nepreryvno-potochnykh liniy prigotovleniya betonnoy smesi)

PERIODICAL:

Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 3, pp 14-18 (USSR)

ABSTRACT:

The author proposes various theoretical solutions for the continuous preparation of concrete mixtures under industrial conditions. To achieve the mechanization of a large number of operations, the use of a conveyer belt 400-500 m long is recommended. All necessary components are carried on this belt to the mixer, from which another transporter belt takes the prepared cement dough to the working front or to the bunker-distributor. There are 3 sets of diagrams, 1 diagram and 5 Soviet references.

Card 1/1

VIDINEYEV, Yu.D.; ZALIVADNYY, B.S.; KUZNETSOV, Yu.P.

Design of toothed rotary dynamometers. Priborostroenie
no.12:7-8 D'63. (MIRA 17:5)

KOROLEV, Konstantin Mikhaylovich, kand. tekhn. nauk; OGIYEVICH,
Vladimir Alekseyevich, kand. tekhn. nauk; VIDILEYEV,
Yu.D., nauchn. red.; BEREZOVSKAYA, A.L., ved. red.

[Operator of automatic batching apparatus, concrete mixers
and concrete mixing plants] Mashinist avtomaticheskikh do-
zatorov, betonosmesitelei i betonosmesitel'nykh ustanovok.
Moskva, Vysshaya shkola, 1965. 272 p. (MIRA 18:8)

VIDINEYEV, Yu.D., kand.tekhn.nauk

Stressed joints of wire-reinforced concrete elements. Gidr. stroi.
32 no.8:28-30 Ag '62. (MIRA 15:9)
(Building--Details) (Precast concrete--Testing)

VIDINEYEV, Yu.D.; BALAKIN, A.Ya., inzh.; KARAULOVA, N.P., tekhn.

Wire dynamometer for reinforcement wire. Bet. i zhel.-bet. 8
no.3:126-127 Mr '62. (MIRA 15:3)
(Dynamometer) (Concrete reinforcement)

VIDINEYEV, Yu.D., kand'. tekhn. nauk

Rapid method of determining the moisture of sand for concrete.

Bet. 1 zhel.-bet. 8 no.5:232-233 My '62.
(Sand)

(MIRA 15:6)

VIDINEYEV, Yu.D., inzh.

Experimental manufacture of wire-reinforced concrete elements.
Energ. stroi. no. 3:64-68 (13), 1960. (MIRA 14:9)

1. Moskovskoye otdeleniye instituta "Gidroenergoprojekt".
(Prestressed concrete)

VIDINSKYEV, Yu.D., kand.tekhn.nauk

Production of prestressed reinforced concrete. Gidr.
stroil. 30 no.6:19-24 Je '60. (MIRA13:7)
(Prestressed concrete)

VIDINEYEV, Yu. D., Candidate of Tech Sci (diss) -- "Continuous-flow application of the components of a concrete mixture on large hydraulic-engineering construction jobs". Gor'kiy, 1959. 18 pp (Min Higher Educ USSR, Gor'kiy Construction Engineering Inst im V. P. Chkalov), 150 copies (KL, No 20, 1959, 112)

30(1)

SOV/98-59-10-14/20

AUTHOR:

Vidineyev, Yu.D., Engineer

TITLE:

The Problem of the Drainage of Earth Dams on Riverbeds

PERIODICAL:

Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 10, p 50 (USSR)

ABSTRACT:

This is a short note of criticism referring to an article published in the same journal by V.Ya. Krasnov concerning the problem of drainage in earth dams on riverbeds. While the author of the criticism finds the proposed system of great practical interest due to its simplicity, the use of this method is questionable when sufficient quantities of stones are located on site. The suggestion is also made that, particularly in the case of large-scale drain construction, this scheme should be fully mechanized, in order to provide for greater economy, and that more accurate calculations of the shapes of the banket and reverse filters should be made, since the tables given did not provide a clear picture of these factors.

Card 1/1

VIDINEYEVA, A.I.

Cleaning spinnerets by means of ultrasonic waves. Khim. volok.
no. 6:56 '60. (MIRA 13:12)

1. Kamenskiy kombinat.
(Spinning machinery)
(Ultrasonic waves--Industrial applications)

BULIC, Beatrica; VIDINIC, Zoran

A further contribution to the study of genus *Dolomys* Hering.
Fragmenta Balk Skopje 4 no.22:171-176 '63.

1. Institute of Biology of the University of Zagreb (for Bulic).
2. Zoological Institute of the Faculty of Natural Sciences,
University of Skopje (for Vidinic).

VIDINIC, Zoran

Micromys minutus brauneri Martino, new mammal from Macedonia.
Fragmenta Balk Skopje 4 no.21:167-170 '63.

1. Zoological Institute of the Faculty of Natural Sciences,
University of Skopje.

VIDINSKI, R.

"Completion of the construction projects before the fixed time, an important reserve for fulfillment of the third Five-Year Economic Plan in shortened terms."

STROITELSTVO., Sofia, Bulgaria., Vol. 6, No. 1, 1959

Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. 8, No. 7, July 1959, Unclass

L 5356-66 EMT(m)/EPT(c)/T DJ
ACC NR: AP5026559

SOURCE CODE: UR/0286/65/000/019/0114/0114

INVENTOR: ⁴⁴Gafanovich, A. A.; ⁴⁴Zanin, A. V.; ⁴⁴Vidishev, B. G.; ⁴⁴Fillimonov, V. N.

ORG: none

TITLE: Cardan shaft with protective housing. Class 47, No. 175358

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 114

TOPIC TAGS: Cardan shaft, universal joint

ABSTRACT: An Author Certificate has been issued for a Cardan shaft consisting of a protective housing in the form of a telescoping tube with hemispheres, a shaft, and joints with grooved yokes. To better protect the Cardan shaft and prevent the housing's rotation, the housing is equipped with outer hemispheres connected to inner hemispheres by rings located in the universal joint's plane of vibration (See Fig. 1) and mounted on sealed ball bearings installed on the hubs of the grooved

11⁴⁴

Card 1/2

UDC: 621-76-233.1.825.6

0751 1209

L 5356-66

ACC NR: AP5026559

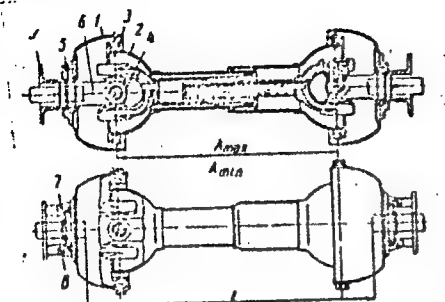


Fig. 1. Cardan shaft with protective housing

1 - Outer hemisphere; 2 - inner hemisphere; 3 - ring; 4 - joint; 5 - sealed bearing; 6 - grooved yoke; 7 - ears; 8 - lugs; 9 - connecting flange.

yokes. To prevent the Cardan shaft from operating without the protective housing, the outer hemispheres are fitted with ears for connection with the appropriate lug of the connecting flange. Orig. art. has: 1 figure. [KT]

SUB CODE: IE/ SUBM DATE: 13Nov63/ ATD PRESS: 4137.

Card 2/2

KURIL'CHIKOV, Ye.A.; PEN'KOVA, M.P.; VIDISHEVA, A.N.

Graft polymers of proteins with acrylonitrile. Report No.1.
Khim. volok. no.2:28-32 '59. (MIRA 12:9)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.

(Proteins) (Acrylonitrile) (Polymers)

USSR/Microbiology. Microbes Pathogenic for Man and
Animals

F

Abs Jour : Ref Zhür-Biol, No 13, 1958, 57749

Author : Vidinskiy M. F., Chernysheva Ye. I.

Inät : Not given

Title : Significance of Dissociation of the Laboratory
Strains PW8 for the Derivation of High Strength
Toxins

Orig Pub : Materialy po obmeny opytom, Gl. upr. in-tov
vaktzin i syvorotok M-va zdravookhr. SSSR, 1956,
2/52, 73-76

Abstract : In the course of the preservation of C diphthe-
ria strains PW8 dissociation takes place with
the formation of weakly toxigenic variants which
form toxins of various strengths. Strain selec-
tion was carried out, the preserved cultures

Card 1/2

USSR/Microbiology. Microbes Pathogenic for Man and
Animals

F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57749

Abstract : were seeded in a Marten bullion, samples more
typical to the R form of growth were taken and
seeded on a blood-agar medium. After the 6th
to 8th passage from the bullion to the blood-
agar medium colonies typical of the R form were
obtained; highly active toxin was obtained when
these were seeded.

Card 2/2

75

CA

The pyrazole series. III. Alois Vystřel and Jaroslav Vidička (Charles Univ., Prague, Czech.). *Chem. Listy* 45: 907-9 (1951); cf. preceding abstr. — 2-Ethylmercapto-4-methyl-6-hydroxypyrimidine (I) was methylated to the MeO compd. (II) which gave 2-hydrazino-4-methyl-6-methoxypyrimidine (III) on heating with NH_2NH_2 . III with furfural and $\text{AcCH}_2\text{CO}_2\text{Et}$ (IV) gave the corresponding hydrazones (V and VI, resp.). The 6-Cl analog (VII) of I heated with NH_2NH_2 gave the 6-hydrazino compd. (VIII) and 2-hydrazo-4-methyl-6-hydrazinopyrimidine (IX). VIII and IX yielded 2-ethylmercapto-4-methyl-6-pyrimidinylhydrazones (X) of IV. IX and IV gave 1-(2-hydroxy-6-methyl-6-pyrimidinyl)-3-methyl-5-pyrazolone (XI). I (8.51 g.) was refluxed 6 hrs. with 9 g. MeI in 50 ml. EtOH contg. 1.15 g. Na. The EtOH (30 ml.) distd. off, the residue poured into water, and the oily layer extd. with Et₂O and distd., yielding 4.85 g. (52.6%) II, b.p. 110-15°, m. 55-5°. II (8.6 g.) and 5 ml. 94% NH_4OH were refluxed in 50 ml. EtOH 4 hrs., the crystals of III were recrystd. from EtOH, yielding 8.26 g. (76.5%) III, m. 190-201°. Furfural and III gave V (2-furfurylhydrazino-4-methyl-6-methoxypyrimidine), m. 125-6.5°. III (3 g.) and 2.65 g. IV were refluxed in 50 ml. EtOH 2 hrs., the EtOH was distd. off, and the oily residue dissolved in 120 ml. boiling water, yielding 3.06 g. VI on cooling, and an addnl. 0.75 g. on evap.; the 2 crops, after recrystd. from EtOH, m. 114.5-15°. VII (8 g.) and 7.5 g. 90% NH_4OH were refluxed in a 50 ml. EtOH soln. 3 hrs. and the residue, after evapn. of the EtOH, was extd. hot with Et₂O, yielding 4.02 g. VIII, m. 91-2°. The extra. residue (1.85 g.), m. 211°. Shorter reaction time favored the formation of VIII. VIII and IX treated with furfural gave hydrazones, m. 123° and 234°, resp. VIII (1.84 g.) and 1.30 g. IV were heated 30 min. on a steam-bath, cooled, dissolved in CCl_4 , and pptd. with petr. ether; cooling with Dry Ice gave 1.02 g. X, m. 70-1°. IX (1.40 g.) and 1.30 g. IV refluxed 3 hrs. in 10 ml. EtOH, the mist. evapd., the residue dissd. with water, and the crystals recrystd. from dil. EtOH yielded 1.61 g. (72%) XI, m. 205°. M. Hudlická

YAZMIR, M.M.; VIDISHCHEVA, O.P.

Tracks of Vermes in the Lower Cambrian in the region of the middle part of the Aldana River. Uch.zap. SGU 74:167-178 '60.
(MIRA 15:7)

(Aldan Valley--Worms, Fossil)

MYLKO, S.N.; VIDISHEV, V.E.

[Experience in high-speed steel production; from work practice of the Voroshilovgrad Locomotive Works] Praktika skorostnogo stalevarenia; iz opyta Voroshilovgradskogo parovozostroitel'nogo zavoda. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1953. 62 p. (MLBA 6:12)
(Voroshilovgrad--Steel) (Steel--Voroshilovgrad)

VIDISHEV, V.Ye., inzh.; CHAPLYGIN, Yu.V., inzh.; CHERNENKO, G.G., inzh.

Transformation of an open-hearth furnace for a combined heating
with the use of natural gas. Mashinostroenie no.4:41-46 J1-Ag
'62. (MIRA 15:9)

1. Luganskiy teplovozostroitel'nyy zavod.
(Lugansk--Open-hearth furnaces)

VIDISHEV, V. Ye.

Mylko, S. N.

Experience in high-speed steel production; from work practice of the Voroshilovgrad Locomotive Works. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1953. 62 p. (54-21342)

TS330.V7M9

KURIL'CHIKOV, Ye.A.; PEN'KOVA, M.P.; VIDISHEVA, A.N.

Preparation of synthetic fiber from graft polymers of protein
with acrylonitrile. Report No.2. Khim.volok. no.4:16-19
'59. (MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo
volokna.

(Textile fibers, Synthetic) (Acrylonitrile) (Proteins)

VIDINEYEV, YU. D.

AID P - 2578

Subject : USSR/Hydraulic Engineering

Card 1/1 Pub. 35 - 1/20

Author : Vidineyev, Yu. D., Eng.

Title : ~~Continuous production line in concrete work~~
Continuous production line in concrete work

Periodical : Gidr stroi, 4, 1-5, Ap 1955

Abstract : The process of continuous transportation and placing of concrete as established after many experiments is reported in detail. A picture showing the mixing yard and four diagrams illustrating the various stages of concrete work are attached.

Institution : None

Submitted : No date

VIDINEYEV, Yu.D., inzhener

Continuous-flow production line for concrete work. Oidr.stroi.
24 no.4:1-5 '55. (MLRA 8:6)
(Concrete construction) (Hydraulic engineering)

A. A. VIDKON

A. A. VIDKON, new television-picture tube. p. 50. Vol. 5, no. 11, 1956
ELEKTROENERGIJA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. 4--April 1957

VIDLAKOVA, M.; KLEINZELLER, A.

Active transport of electrolytes in the smooth muscle of
pigeon gizzard and rabbit aorta. *Physiol. bohemoslov.* 12
no.3:202-207 '63.

1. Laboratory for Cellular Metabolism, Institute of Microbio-
logy, Czechoslovak Academy of Sciences, Prague.

(MUSCLE, SMOOTH) (AORTA) (SODIUM)

(CHLORIDES) (POTASSIUM) (WATER)

(MINERAL METABOLISM) (PHYSIOLOGY)

VIDLAKOVA, M.; KLEINZELLER, A.

Distribution of water and electrolytes in pigeon gizzard
slices and rabbit aortal strips. *Physiol. bohemoslov.* 12
no.3:196-201 '63.

1. Laboratory for Cellular Metabolism, Institute of Microbiology,
Czechoslovak Academy of Sciences, Prague.

(MUSCLE, SMOOTH) (AORTA) (WATER)
(SODIUM) (POTASSIUM) (CHLORIDES)
(PHYSIOLOGY) (METABOLISM)

TURAI, I., prof.; CONSTANTINESCU, O., dr.; CONSTANTINESCU, M., dr.;
SOARE, M., dr.; VIDLESCU, V., ext.

Findings and results in the treatment of acute pancreatitis.
Med. intern. 15 no.6:659-665 Je '63.

1. Lucrare efectuata in Clinica a II-a chirurgicala, Spitalul
"I.C. Frimu", Bucuresti, (director prof. I. Turai). 2. Membru
corespondent al Academiei R.P.R. (for Turai).
(PANCREATITIS) (PROCAINE) (ANTIHISTAMINICS)
(ATROPINE) (ANTIBIOTICS)

VIDLICKA, Milan

Electric medicinal thermometer. Cas. lek. cesk. 96 no.13:
405-406 29 Mar 57.

1. Proskovice 121 u Ostravy. Do redakce doslo v kvetnu 1956.
(THERMOMETERS
electric med. thermometer, design. (Cz))

CA

Apparatus - 1

Two granular forms of sublimed molybdenum trioxide.
F. Hencovsky and A. Vidumpe (Metallwerke Plansee,
Reutte/Tirol, Austria). *Osterr. Chem.-Ztg.* 39, 154-60-
(1932).—The MoO_3 obtained industrially by sublimation
consists of 2 forms which are separable through d. differences.
They differ mainly in phys. properties. In the electron
microscope the heavy form appears as spheres, the light as
needlelike platelets. Both forms give identical pictures
after vacuum sublimation. H. P. Block

CA

Vertical continuous centrifuge. A. I. Vihinen, U.S.
S.N. 60,000, Dec. 31, 1947. M. 11.

VIDMAN, D.N.
CA

9

Methods for determining microhardness. 1). N. Vidman, *Zavodskaya Lab.* 10, 527-30(1941); *Chem. Zentr.* 1942, II, 2312. - After a review of the usually applied methods and their advantages and disadvantages a new instrument is described which is based on the impression made in the specimen by a diamond pyramid loaded with 25-150 g. The method is sufficiently sensitive for a range from 20 to 3000 kg./sq. mm. Brinell hardness even for very closely lying differences in hardness values. A test of 5 individual measurements requires about 15 to 30 min. M. Hartenhein

AS 6-51-8 METALLURGICAL LITERATURE CLASSIFICATION

VIDMAN, I. N.

O stroenii izlomov pri avariinykh razrusheniakh ot ustalosti. (Vestn. Mash., 1948, no. 9, p. 18-24)

Includes bibliography.

Structures of fractures due to fatigue failures.

ELC: THH.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

VIDMAN, D.N.

AID 367 - I

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

Call No.: TN672.V8

BOOK

Author: VIDMAN, D. N.

Full Title: METHOD OF EVALUATION OF STRUCTURAL STRENGTH BY THE
CHARACTER OF FATIGUE FRACTURES

Transliterated Title: Metod otsenki konstruktsionnoy prochnosti
po stroyeniyu ustalostnykh izlomov

Publishing Data

Originating Agency: All-Union Scientific Engineering and Technical
Society of Machine Builders. Urals Branch

Publishing House: State Scientific and Technical Publishing House
of Machine Building Literature ("Mashgiz")

Date: 1950

No. pp.: 13

No. of copies: 3,000

Text Data

This is an article from the book: VSESOYUZNOYE NAUCHNOYE INZHENERNO-
TEKHNICHESKOYE OBSHCHESTVO MASHINOSTROITELEY. URAL'SKOYE OTDELENIYE,
THERMAL TREATMENT OF METALS - Symposium of Conference (Termicheskaya
obrabotka metallov, materialy konferentsii) (p.394-404), see AID 223 - II

Coverage: The study of structural characteristics of specimen features
obtained under different cyclic overloads is outlined. These
characteristics of fractures were classified in accordance
with general appearance and corresponding fatigue stresses.

1/2

Metod otsenki konstruktsionnoy prochnosti
po stroyeniyu ustalostnykh izlomov

AID 367 - I

The limits of fatigue and the forms of the fatigue curves are related to the properties of the material and the technology of its preparation. However, numerous shapes of parts and variety of concentrated stresses in the dangerous zones have various effects on the value of the coefficient of cyclic overloading. In order to avoid this complexity, the author analytically formulated the effective coefficient of concentration of stresses on the basis of experimental and theoretical data obtained on specimens with and without undercut. 4 photographs, 3 charts and 2 tables.

Purpose: For scientific workers

Facilities: None

No. of Russian and Slavic References: None

Available: Library of Congress.

2/2

VIDMAN, D. N. and KUDRYAVTSEV, I. V.

"Increasing the Endurance of the Welded Rotor of the Low-Pressure Cylinder in a 35,000-Kw Turbine," pp. 122-126 of the book "Studies on the Strength of Steel," Mashgis, 1951

Translation W-23621, 21 Aug 52